

HIGH PERFORMANCE CABLE TIE

Abstract

[0051] A high performance cable tie includes an elongate strap, and a head extending from one end of the strap. The strap and pawl teeth each have convex portions which engage one another during insertion of the strap through the head. The strap and pawl teeth also each have planar portions which engage one another to obstruct retraction of the strap from the head. The longitudinal spacing of the strap and pawl teeth are equivalent. The surface of the pawl between the exit end of the passageway and the pawl tooth nearest thereto has a concave portion which engages the convex portion of the opposing strap tooth when the pawl pivots in response to retraction of the strap from the head. This pivoting of the pawl is limited by a heel which engages an inner surface of the head.